PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicar	nt's or agent's file reference		See Notificati	on of Transmittal of International			
PI-00642-PCT		FOR FURTHER ACTION Preliminary Examination Report (Form PCT/IPEA/416)					
				15: 4 1. (2. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.			
Internati	ional application No.	International filing da	ite (day/month/year)	Priority date (day/month/year)			
PCT/DE 03/03665		05 Nov 2003		08 Nov 2002			
	ional Patent Classification (IPC	c) or national classification	tion and IPC				
B60J7/1	12						
Applicar							
, , ,	M KARMANN GMBH et al.						
1. This	report is the international prel	iminary examination re	eport established by this Inf	ernational Preliminary Examining			
Auth	nority and transmitted to the ap	pplicant according to A	rticle 36.				
2. This	REPORT consists of a total of	f 4 sheets including t	his cover sheet.				
67	This report is also accompan	ied by ANNEXES, whi	ch are sheets of the descri	otion, claims and/or drawings which have			
	been amended and are the b Rule 70.16 and Section 607	asis of this report and/	or sheets containing rectific	cations authorized by this Authority (see			
	Rule 70.16 and Section 607 (or the Administrative in	structions under the PC1).				
	These annexes consist of a t	otal of 1 sheets.					
2 Th:-		lating to the following it	toma				
3. TRIS	report contains indications re	ating to the following in	tems.				
1	Basis of the report						
	·						
11	Priority	Priority					
III	Non-establishment of	Non-establishment of a opinion with regard to novelty, inventive step and industrial applicability					
IV.	Lack of unity of inventi	nity of invention					
l v	Reasoned statement u	inder Article 35/2) with	regard to novelty, inventiv	e sten or industrial			
`		and explanations supp		o otop of industrial			
l vı	Certain documents cite	ed					
	L						
	Certain defects in the i	international application					
VIII	Certain observations on the international application						
	submission of the demand		Date of completion of the	s report			
14 July 2004		21 Feb 2005					
	nd mailing address of the desi	gnated International	Authorized officer				
Preliminary Examining Authority: European Patent Office		Sohmid I/	(soal: European				
	D-80298 München		Schmid, K	(seal: European Patent Office)			
(Logo)	Phone: +49 89 2399 – 0 Te	lex: 523656 cpmu d	Phone No. +49 89 23	•			



sheets:

the drawings, Form PCT/IPEA/409 (January 2004)

INTERNATIONAL PRELIMINARY **EXAMINATION REPORT**

International Application No. PCT/DE 03/03665

l. Basis	of the	report
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1. With regard to the elements of the international application (substitute sheets which have been furnished to the receiving office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments (rules 70.16 and 70.17)): Description, pages: 1-21 as originally filed Claims, Nos.: 2-29 as originally filed received on 14 July 2004, with correspondence of 09 July 2004 Drawings, sheets: 1/20-20/20 as originally filed 2. With regard to the language: All of the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item. The elements were available or furnished to this Authority in the following language: which the language of the translation furnished for purposes of international search (Rule 23.1(b)). the language of the publication of the international application (Rule 48.3(b)). the language of the translation furnished for the purposes of international preliminary examination (Rules 55.2 and/or 55.3). 3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing: contained in the international application in written form. filed together with the international application in computer readable form. furnished subsequently to this Authority in written form. furnished subsequently to this Authority in computer readable form. ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished. ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished. 4. The amendments have resulted in the cancellation of: the description, pages: the claims. Nos.:



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5.	This report has been established as if (some of) the amendments had not been made since they have been considered by the Authority to go beyond the disclosure as filed (Rule 70.2(c)).						
		(Any replacement she Item 1.; they must be			nendments must be referred to under		
6.	Add	litional observations, i	f necessary:				
V.					regard to novelty, inventive step and tions supporting such statement		
1.	Sta	tement					
	Nov	velty (N)	yes: no:	claims claims	1-29		
	Inve	entive Step (IS)	yes:	claims	1-29		

claims

claims

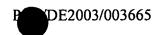
claims 1-29

no:

Industrial Applicability (IA) yes: no:

2. Citations and explanations see supplemental sheet





INTERNATIONAL PRELIMINARY EXAMINATION REPORT SUPPLEMENTARY PAGE International Application No. PCT/DE03/03665

Re Item V

Claim 1

Document DE-A 199 55 404 (D1), which is regarded as the closest state of the art, discloses a generic convertible top for a convertible vehicle.

The problem to be solved consists of reducing the material demand and the packing height in a folded position when the top is down in the case of a soft top (page 2, paragraph 3).

The solution to this problem consists of converting the rear window and the outer roof frame profiles of the rear-end roof segment rearward into a folded position in an essentially non-rotational movement with both moving in the same direction.

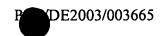
The known prior art does not give any hint of such kinematics for the convertible top, and therefore the content of Claim 1 should meet the requirements of Article 33 PCT.

Claims 2-29

The features of the dependent Claims 2 - 29 relate to refinements of the method according to Claim 1 and therefore Claims 2 - 29 should also meet the requirements of Article 33 PCT.



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Wj/P-00642 WO 09 Jul 2004

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New Patent Claim 1

1. Convertible top for a convertible vehicle (2) having a rear-end roof segment (6) and at least one additional roof segment (7, 8), with the roof segments (6, 7, 8) being foldable in accordion fashion via a convertible top mechanism, and at least the rear-end roof segment (6) being designed with a flexible roof membrane (3) forming a soft top, the roof membrane being accommodated between outer roof frame profiles (9, 10, 11) arranged in symmetrical opposition with a vehicle longitudinal axis (33) and a dimensionally stable rear window (12),

characterized in that

the rear window (12) and the outer roof frame profiles (9) which are assigned to the rear-end roof segment (6) are converted into a folded position toward the rear when the top (1) is down or is converted out of the folded position toward the front in an essentially non-rotational movement in the same direction.